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## In The Claims:

Please amend the claims as follows:

Claim 1 (currently amended) A method of removing contaminants from a silicon wafer after a chemical-mechanical polishing operation, comprising:

providing a silicon wafer having a layer thereon;

performing a chemical-mechanical polishing process to remove a portion of the wafer; and

treating the silicon wafer-using an aqueous solution of ozone and proving providing an inertial mechanical force after the chemical-mechanical polishing process is performed, wherein the inertial mechanical force is provided by a polishing pad.

Claim 2. (original) The method of claim 1, wherein a concenuration of ozone in the aqueous solution is between 10 ppm and 200 ppm.

## Claim 3. (cancelled)

Claim 4 (original) The method of claim 1, wherein the step of treating the silicon wafer is performed by a water- cleaning process.

Claim 5 (original) The method of claim 1, wherein the layer is selected from the group consisting of a low dielectric constant material laver, a metallic laver and n barrier layer.

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Claim 6 (original) The method of claim 1, wherein the aqueous ozone solution is catalyzed to produce more free ozone radicals therein.

Claim 7 (original) The method of claim 6, wherein the aqueous ozone solution is catalyzed by exposure to a beam of ultraviolet light or addition of hydrogen peroxide thereto.

Claims 8-30 (cancelled)

Claim 31 (currently amended) A method of forming a damascene structure, comprising: providing a substrate;

forming a dielectric layer over the substrate;

patterning the dielectric layer to form an opening that exposes a portion of the substrate; forming a metallic layer over the substrate so that the opening is completely filled; performing chemical-mechanical polishing to remove a portion of the metallic layer; and treating the substrate using an aqueous solution of ozone and providing an inertial mechanical force so that contaminants on a surface of the substrate are removed, wherein the inertial mechanical force is provided by a polishing pad.

Claim 32 (previously amended) The method of claim 31, wherein a concentration of ozone in the aqueous solution is between about 10 ppm and 200 ppm.

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Claim 33 (currently amended) The method of claim 31, wherein the inertial mechanical force is proved by a the polishing pad in a buffer CMP station.

Claim 34 (currently amended) The method of claim 31, wherein the inertial mechanical force is proved by a the polishing pad in a cleaning station.

Claim 35 (previously amended) The method of claim 31, wherein the inertial mechanical force is between about 0.5 psi and 3 psi.

Claim 36 (previously amended) The method of claim 31, further includes:

forming a barrier layer over the substrate, wherein the barrier layer is conformal to the surface profile of the substrate and covers the dielectric layer before forming a metallic layer process but after patterning the dielectric layer process; and

performing barrier layer chemical-mechanical polishing to remove a portion of the barrier layer and expose the dielectric layer after performing chemical-mechanical polishing process.

Claim 37 (currently amended) The method of claim 31, wherein the inertial mechanical force is proved by a the polishing pad in a metal CMP station.

Claim 38 (currently amended) The method of claim 1, wherein the inertial mechanical force is proved by a the polishing pad in a buffer CMP station.

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Claim 39 (currently amended) The method of claim1, wherein the inertial mechanical force is proved by a the polishing pad in a cleaning station.

Claim 40 (currently amended) The method of claim 1, wherein the inertial mechanical force is proved by a the polishing pad in a metal CMP station.

Claim 41 (previously amended) The method of claim 1, wherein the inertial mechanical force is between about 0.5 psi and 3 psi.